289280US0XPCT SEQUENCE LISTING

<110>	Sapporo Breweries Ltd. Eiken Chemical Co. Ltd.							
<120>	Primers for detection of Alicyclobacillus strain							
<130>	FP04-0384							
<150> <151>	JP 2003-349772 2003-10-08							
<160>	14							
<170>	PatentIn version 3.1							
<210> <211> <212> <213>								
<220> <223>	primer							
<400> ttgggt	1 ttcc ttcggcactg agataccctg gtagtccacg	40						
<210> <211> <212> <213>								
<220> <223>	primer							
<400> 2 ataagcactc cgcctgggga gcccccgtca attcctttg 39								
<210> <211> <212> <213>	19 DNA							
<220> <223>	primer							
<400> 3 gtggggagca aacaggatt 19								
<210> <211> <212> <213>	19 DNA							
<220> <223>	primer							
<400> 4 acatgctcca ctgcttgtg 19								
<210> <211> <212> <213>	5 40 DNA Artificial sequence							

289280US0XPCT

<220> <223>	primer	
<400> acaagg	5 agct ttccactctc caagaaggcc ttcgggttgt	40
<210> <211> <212> <213>		
<220> <223>	primer	
<400> tgagac	6 ggta ccgagtgagg acgcttgccc cctacgtatt	40
<210> <211> <212> <213>	17 DNA	
<220> <223>	primer	
<400> caagcc	7 tgac ggagcaa	17
<210> <211> <212> <213>	18 DNA	
<220> <223>	primer	
<400> cccagt	8 gatt ccggacaa	18
<210> <211> <212> <213>	9 43 DNA Artificial sequence	
<220> <223>	primer	
<400> aacaca	9 agta gatgcctacc cgcaatctgc ctttcagact gga	43
<210> <211> <212> <213>		
<220> <223>	primer	
<400> ttgaaa	10 gatg caactgcatc gctccgttac ctcaccaact agc	43

289280US0XPCT

,	289280us0xpcT										
•	<210> <211> <212> <213>	11 19 DNA Arti	ificial sequ	uence							
	<220> <223>	prin	ner								
	<400> cggacg	11 ggtg	agtaacacg					19			
		12 18 DNA Arti	ificial sequ	ience							
	<220> <223>	prin	ner								
	<400> tacgca	12 tcgt	cgccttgg					18			
		13 20 DNA Arti	ficial sequ	Jence							
	<220> <223>	Prin	ner	•							
	<400> attagca	13 accc	gtttccgagt					20			
	<210> <211> <212> <213>	14 1514 DNA alic	l cyclobacillu	ıs							
	<400> agagtt	14 tgat	cctggctcag	gacgaacgct	ggcggcgtgc	ctaatacatg	caagtcgagc	60			
	gagccci	ttcg	gggctagcgg	cggacgggtg	agtaacacgt	gggcaatctg	cctttcagac	120			
	tggaata	aaca	ctcggaaacg	ggtgctaatg	ccggataata	cacgggtagg	catctacttg	180			
	tgttgaa	aaga	tgcaactgca	tcgctgagag	aggagcccgc	ggcgcattag	ctagttggtg	240			
	aggtaa	cggc	tcaccaaggc	gacgatgcgt	agccgacctg	agagggtgac	cggccacact	300			
	gggact	gaga	cacggcccag	actcctacgg	gaggcagcag	tagggaatct	tccgcaatgg	360			
	gcgcaa	gcct	gacggagcaa	cgccgcgtga	gcgaagaagg	ccttcgggtt	gtaaagctct	420			
	gttgct	ggg	gagagcgaca	aggagagtgg	aaagctcctt	gtgagacggt	accgagtgag	480			
	gaagcc	ccgg	ctaactacgt	gccagcagcc	gcggtaatac	gtagggggca	agcgttgtcc	540			
	ggaatca	actg	ggcgtaaagc	gtgcgtaggc	ggttgtgtaa	gtctgaagtg	aaagtccaag	600			
	gctcaa	cctt	gggattgctt	tggaaactgc	atgacttgag	tgctggagag	gcaaggggaa	660			
	ttccac	gtgt	agcggtgaaa	tgcgtagata	tgtggaggaa	taccagtggc	gaaggcgcct	720			
	tgctgga	acag	tgactgacgc	tgaggcacga	aagcgtgggg	agcaaacagg	attagatacc	780			

289280US0XPCT 840 ctggtagtcc acgccgtaaa cgatgagtgc taggtgttgg ggggacacac cccagtgccg aaggaaaccc aataagcact ccgcctgggg agtacggtcg caagactgaa actcaaagga 900 attgacgggg gcccgcacaa gcagtggagc atgtggttta attcgaagca acgcgaagaa 960 ccttaccagg gcttgacatc cctctgaccg gtgcagagat gtaccttccc ttcggggcag 1020 1080 aggagacagg tggtgcatgg ttgtcgtcag ctcgtgtcgt gagatgttgg gttaagtccc 1140 gcaacgagcg caacccttga tctgtgttac cagcacgtag aggtggggac tcacaggtga 1200 ctgccggcgt aagtcggagg aaggcgggga tgacgtcaaa tcatcatgcc ctttatgtcc tgggctacac acgtgctaca atgggcggta caacgggaag cgaagccgcg aggtggagca 1260 1320 aaacctaaaa agccgttcgt agttcggatt gcaggctgca actcgcctgc atgaagccgg 1380 aattgctagt aatcgcggat cagcatgccg cggtgaatcc gttcccgggc cttgtacaca 1440 ccgcccgtca caccacgaga gtcggcaaca cccgaagtcg gtgaggtaac cgttatggag 1500 ccagccgccg aaggtggggt tgatgattgg ggtgaagtcg taacaaggta gccgtatcgg 1514 aaggtgcggt tgga